



2858

PATENT APPLICATION

Do. No. 9903-011

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Chang-Nyun KIM, et al.

Serial No. 09/752,998 Examiner: Not yet assigned

Filed: December 28, 2000 Group Art Unit: 2858

For: METHOD AND APPARATUS FOR TESTING SEMICONDUCTOR  
DEVICES USING THE BACK SIDE OF A CIRCUIT BOARD

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Enclosed for filing in the above-referenced application are the following:

- ☒ Preliminary Amendment
- ☒ Return Post Card



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PATENT TRADEMARK OFFICE

Respectfully submitted,

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Box Non-Fee Amendment  
Assistant Commissioner of Patents  
Washington, D.C. 20231

# 4/002 Amended  
6/12/02  
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PRELIMINARY AMENDMENT

Prior to Examination, please amend the application as follows.

IN THE SPECIFICATION

Please replace the paragraph on page 4 line 15 to line 28 with the followings:

A1  
The interface board 29 can be used simply to reverse the arrangement of the connector pins, or it can be designed to serve other functions as well. For example, it can be used to create a test environment for the semiconductor devices (in this example, memory devices) within the sockets 31 which are actual operating conditions that the devices might encounter on the circuit board. That is, the interface board 29 can be designed to compensate for the environmental differences caused by use of the sockets 31, as well as the use of additional equipment that might be added. An example of such an interface board is disclosed in Korean Patent Application No. 2000-20653 entitled "Interface Board And Test Method For Semiconductor Integrated Circuit Devices Using The Same." which is incorporated by reference, and U.S. Patent Application Ser. No. 09/733,336 filed December 08, 2000 entitled "Method And Apparatus For Testing Semiconductor Devices Using An Actual Board-Type Product" which is incorporated by reference. For example, this compensation can include the control of the clock signal timing, the control of the signal timing margin, the control of AC signal parameters, and the control of the power supply signals.